Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/01/2022 10:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124720	-1	1.40	124632	1.38
Blue	F	SSC	125000	123787	-1	2.49	124249	2.35
Blue	E	FITC	13602	13272	-3	2.26	371	13.74
Blue	D	PE	24891	24588	-2	1.69	585	10.17
Blue	B	PerCP-Cy5-5	33972	32988	-3	2.95	939	14.94
Blue	A	PE-Cy7	22865	22859	-1	4.90	479	30.63
Red	C	APC	47198	46641	-2	2.64	1610	11.52
Red	A	APC-Cy7	26454	26013	-2	3.05	734	12.50
Violet	B	V450	6737	6464	-5	3.29	449	11.38
Violet	A	V500	29317	28429	-4	2.77	972	8.05

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24213	2.37	536	1	N/A	N/A	Pass
Blue	F	SSC	55676	2.05	519	-2	N/A	N/A	Pass
Blue	E	FITC	55	57.02	487	3	0.0432	216	Pass
Blue	D	PE	114	38.92	490	4	0.4934	411	Pass
Blue	B	PerCP-Cy5-5	149	41.34	582	3	0.0197	70	Pass
Blue	A	PE-Cy7	78	80.87	627	6	0.0220	3	Pass
Red	C	APC	338	26.04	575	3	0.0280	197	Pass
Red	A	APC-Cy7	137	35.42	554	3	0.0062	1382	Pass
Violet	B	V450	76	48.68	442	-8	0.0634	2907	Pass
Violet	A	V500	116	32.29	462	-7	0.0281	1369	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.79	-31.55	1.15
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	14.79	13.90 - 20.86	N/A	N/A	29.65	30.11	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9800

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments